

## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought on the invention entitled COORDINATED SATELLITE-TERRESTRIAL FREQUENCY REUSE, the specification of which was filed on 1 August 2001 as Application Serial No. 09/918,709.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known to me to be material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s): Priority Claimed  
Number    Country    Day/Month/Year filed    Yes    No

I hereby claim the benefit under 35 USC '119(e) of any United States provisional application(s) listed below.

Prior Provisional Application(s):

<u>Application Number</u>	<u>Filing Date</u>
60/222,605	2 August 2000
60/245,194	3 November 2000
60/250,461	4 December 2000

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or Section 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U. S. Application(s):  
Serial No.                Filing Date                Status: Patented, Pending, Abandoned

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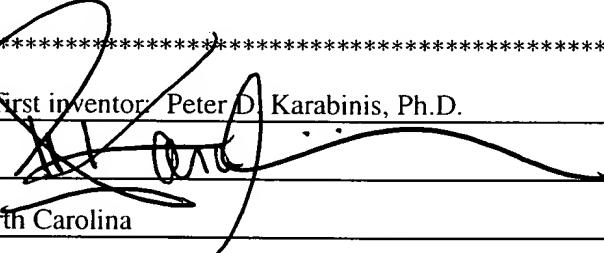
The undersigned Principal Attorney of record hereby appoints the registered practitioner(s) listed at the following customer number, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and, in addition please direct all correspondence to the address at the following customer number:

**24395**

HALE AND DORR  
1455 Pennsylvania Avenue, NW  
Washington, DC 20004  
TEL 202.942.8400  
FAX 202.942.8484

\*\*\*\*\*  
 Full name of sole or first inventor: Peter D. Karabinis, Ph.D.

Date: 11/28/2001

Inventor's signature: 

Residence: Cary, North Carolina

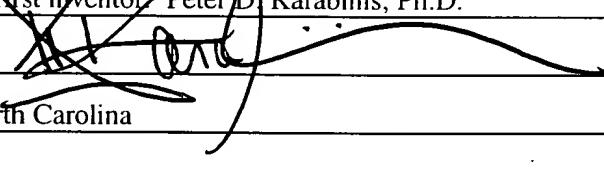
Citizenship: USA

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd. Reston, VA 20191-5416

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\*\*\*\*\*  
 Full name of second joint inventor: Rajendra Singh, Ph.D.

Date:

Inventor's signature: 

Residence: Alexandria, Virginia

Citizenship: USA

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd. Reston, VA 20191-5416

---

\*\*\*\*\*

Full name of second joint inventor: George Ronald Olexa

Inventor's signature:

Date:

Residence: Gainesville, Georgia

Citizenship: USA

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\*\*\*\*\*

Full name of second joint inventor: Bahman Badipour, Ph.D.

Inventor's signature:

Date:

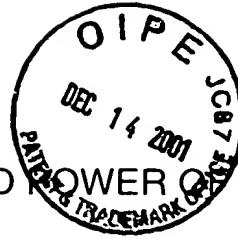
Residence: McLean, Virginia

Citizenship:

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd. Reston, VA 20191-5416

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<input checked="" type="checkbox"/> Prior Foreign Application(s):	Priority Claimed	
<u>Number</u>	<u>Yes</u>	<u>No</u>

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<u>Serial No.</u>	<u>Filing Date</u>	<u>Status: Patented, Pending, Abandoned</u>
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**24395**

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FAX 202.942.8484

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Full name of sole or first inventor: Peter D. Karabinis, Ph.D.

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Cary, North Carolina

Citizenship: USA

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd. Reston, VA 20191-5416

\*\*\*\*\*  
Full name of second joint inventor: Rajendra Singh, Ph.D.

Inventor's signature: *X Rajendra Singh* Date: *11/27/2001*

Residence: Alexandria, Virginia

Citizenship: USA

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd. Reston, VA 20191-5416

\*\*\*\*\*

Full name of second joint inventor: George Ronald Olexa

Inventor's signature:

Date:

Residence: Gainesville, Georgia

Citizenship: USA

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd. Reston, VA 20191-5416

\*\*\*\*\*

Full name of second joint inventor: Bahman Badipour, Ph.D.

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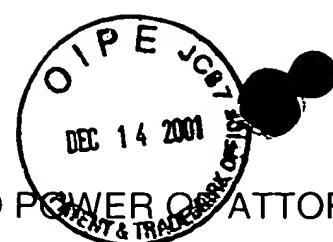
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<b>Prior Foreign Application(s):</b>	<b>Priority Claimed</b>			
<u>Number</u>	<u>Country</u>	<u>Day/Month/Year filed</u>	<u>Yes</u>	<u>No</u>

I hereby claim the benefit under 35 USC '119(e) of any United States provisional application(s) listed below.

**Prior Provisional Application(s):**

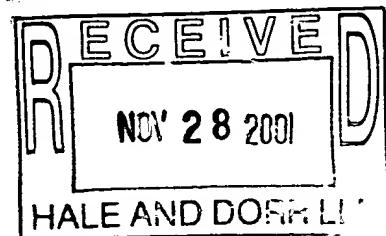
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<u>Serial No.</u>	<u>Filing Date</u>	<u>Status: Patented, Pending, Abandoned</u>
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



The undersigned hereby grant(s) the firm of HALE AND DORR LLP the power to insert on this Declaration any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document

The undersigned Principal Attorney of record hereby appoints the registered practitioner(s) listed at the following customer number, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and, in addition please direct all correspondence to the address at the following customer number:

**24395**

HALE AND DORR  
1455 Pennsylvania Avenue, NW  
Washington, DC 20004  
TEL 202.942.8400  
FAX 202.942.8484

\*\*\*\*\*  
Full name of sole or first inventor: Peter D. Karabinis, Ph.D.

Inventor's signature:

Date:

Residence: Cary, North Carolina

Citizenship: USA

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd. Reston, VA 20191-5416

\*\*\*\*\*  
Full name of second joint inventor: Rajendra Singh, Ph.D.

Inventor's signature:

Date:

Residence: Alexandria, Virginia

Citizenship: USA

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd. Reston, VA 20191-5416

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Full name of second joint inventor: George Ronald Olexa

Inventor's signature:

Date:

Residence: Gainesville, Georgia

Citizenship: USA

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd.

Reston, VA 20191-5416

\*\*\*\*\*

Full name of second joint inventor: Bahman Badipour, Ph.D.

Inventor's signature:

Date:

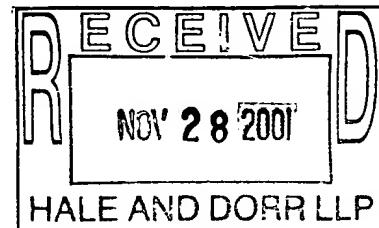
Residence: McLean, Virginia

Citizenship:

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd.

Reston, VA 20191-5416

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## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought on the invention entitled **COORDINATED SATELLITE-TERRESTRIAL FREQUENCY REUSE**, the specification of which was filed on 1 August 2001 as Application Serial No. 09/918,709.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known to me to be material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<input checked="" type="checkbox"/> Prior Foreign Application(s):	Priority Claimed			
<u>Number</u>	<u>Country</u>	<u>Day/Month/Year filed</u>	<u>Yes</u>	<u>No</u>

I hereby claim the benefit under 35 USC '119(e) of any United States provisional application(s) listed below.

Prior Provisional Application(s):

<u>Application Number</u>	<u>Filing Date</u>
60/222,605	2 August 2000
60/245,194	3 November 2000
60/250,461	4 December 2000

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or Section 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

**Prior U. S. Application(s):**

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status: Patented, Pending, Abandoned</u>
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of sole or first inventor: Peter D. Karabinis, Ph.D.

Inventor's signature:

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Full name of second joint inventor: Rajendra Singh, Ph.D.

Inventor's signature:

Date:

Residence: Alexandria, Virginia

Citizenship: USA

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd. Reston, VA 20191-5416

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Full name of second joint inventor: George Ronald Olexa

Inventor's signature:

Date:

Residence: Gainesville, Georgia

Citizenship: USA

Post Office Address: c/o MOBILE SATELLITE VENTURES LLC, 10802 Parkridge Blvd. Reston, VA 20191-5416

\*\*\*\*\*

Full name of second joint inventor: Bahman Badipour, Ph.D.

Inventor's signature:

Date: 12/10/01

Residence: McLean, Virginia

Citizenship: U.S.A.

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